## What is claimed is:

- 1 1. A surgical procedure performed on the heart of a patient, comprising the
- 2 steps for:
- forming an entry incision on the patient;
- 4 dissecting tissue along a tract from the entry incision toward the patient's
- 5 heart;
- forming an opening in the pericardium near the apex region and into the
- 7 intrapericardial space of the patient's heart through the entry incision;
- 8 advancing a surgical instrument through the opening in the pericardium near
- 9 the apex region and along a path lateral to the left pulmonary veins into the
- 10 transverse pericardial sinus;
- forming an opening in a first reflection diposed between the left and right
- 12 superior pulmonary veins;
- entering through the opening formed in the first reflection to form an
- opening in a second reflection disposed between the superior vena cava and the
- 15 right superior pulmonary vein;
- advancing the surgical instrument through the opening formed in the second
- 17 reflection;
- forming an opening in a third reflection disposed between the inferior vena
- 19 cava and the left inferior pulmonary vein;

- advancing the surgical instrument through the opening formed in the third reflection into the oblique pericardial sinus to substantially surround the left and right pulmonary veins with the surgical instrument.
  - 1 2. The surgical procedure according to claim 1 including:
- advancing a tissue-ablating probe within the surgical instrument to
- 3 substantially surround the left and right pulmonary veins; and
- 4 energizing the tissue-ablating probe to ablate atrial tissue along the path near
- 5 the tissue-ablating probe.
- 1 3. The surgical procedure according to claim 1 in which the entry incision is
- 2 formed in the subxiphoid location; and
- dissecting tissue includes exposing the linea alba within a subxiphoid entry
- 4 incision, and forming a tract of dissected tissue between the entry incision and the
- 5 apex region of the patient's heart.
- 1 4. The surgical procedure according to claim 1 in which the entry incision is
- 2 formed at a subcostal location;
- dissecting tissue includes exposing the anterior rectus sheath within the
- 4 subcostal entry incision;
- 5 incising the anterior rectus sheath and retracting the rectus muscle to expose
- 6 the posterior rectus sheath;

- 7 incising the posterior rectus sheath to expose the inferior border of the costal
- 8 margin;
- 9 forming a tract through the incisions and the muscular diaphragm into the
- 10 pleural cavity; and
- forming an opening through the pleura to expose the pericardium near the
- apex region of the patient's heart.
  - 1 5. The surgical procedure according to claim 1 in which forming an opening in
  - one of the first, second and third reflections includes grasping a portion of the
  - 3 reflection; and
  - 4 cutting the grasped portion of the reflection to form an aperture therein.
  - 1 6. The surgical procedure according to claim 1 in which advancing the surgical
  - 2 instrument through the opening formed in the second reflection includes grasping
  - through the opening formed in the first reflection the surgical instrument
- 4 positioned within the transverse pericardial sinus for manipulating therein the
- 5 surgical instrument through the opening formed in the second reflection.
- 1 7. The surgical procedure according to claim 1 in which advancing the surgical
- 2 instrument through the opening formed in the third reflection includes grasping
- 3 through the opening formed in the third reflection the surgical instrument advanced
- 4 through the opening formed in the second reflection; and

- 5 pulling the grasped surgical instrument through the opening formed in the
- 6 third reflection into the oblique pericardial sinus to substantially complete a loop of
- 7 the surgical instrument surrounding the left and right pulmonary veins.
- 1 8. The surgical procedure according to claim 1 performed with an endoscopic
- 2 cannula having an instrument channel, the procedure including:
- advancing the endoscopic cannula along a path through the entry incision
- and along the tract of dissected tissue and through the opening formed in the
- 5 pericardium near the apex region of the patient's heart, and lateral to the left
- 6 pulmonary veins;
- advancing the surgical instrument includes advancing the surgical
- 8 instrument through the instrument channel of the endoscopic cannula disposed
- 9 along said path, and into the transverse pericardial sinus;
- retracting the endoscopic cannula from along the said path, leaving the
- surgical instrument disposed within the transverse pericardial sinus;
- re-entering the endoscopic cannula through the entry incision and along the
- tract of dissected tissue and through the opening formed in the pericardium near
- the apex region, and across the oblique pericardial sinus toward the first reflection;
- 15 and
- passing an instrument through the instrument channel of the endoscopic
- cannula so positioned to form said opening in the first reflection.

- 1 9. The surgical procedure according to claim 2 in which a distal end of the
- 2 surgical instrument is clasped to a portion of the surgical instrument disposed
- 3 intermediate the opening formed in the pericardium near the apex region and the
- 4 left pulmonary veins to form a loop of the tissue-ablating probe at least during
- 5 energization thereof.
- 1 10. A kit of surgical instruments for ablating tissue in the heart of a patient, the
- 2 kit comprising:
- an endoscopic cannula including an elongated body having one lumen
- 4 therein for supporting an endoscope therein, and including a transparent tissue-
- 5 dissecting tip disposed at a distal end of the body substantially aligned with an
- 6 endoscope therein, the elongated body including another lumen disposed eccentric
- 7 the one lumen for slidaly supporting a surgical instrument therein;
- a first surgical instrument including an instrument body having a tissue-
- 9 grasping end effector that is mounted at a distal end thereof and that is linked
- through the instrument body to a manual actuator disposed at a proximal end of the
- instrument body for remotely manipulating the end effector from the proximal end,
- the first surgical instrument including a tubular element slidably and rotatably
- overlying the instrument body and having a tissue-cutting distal end thereon for
- cutting tissue grasped by the end effector, the tubular element being configured and

- dimensioned to slide and rotate within said another lumen of the endoscopic
- 16 cannula; and
- an enclosure surrounding the endoscopic cannula and the first surgical
- instrument in a substantially sterile environment.
- 1 11. The kit according to claim 10 including a second instrument having a hollow
- sheath with a bore therethrough for receiving a tissue-ablating probe therein, the
- 3 sheath having a sectional dimension sized to slide within said another lumen of the
- 4 endoscopic cannula.